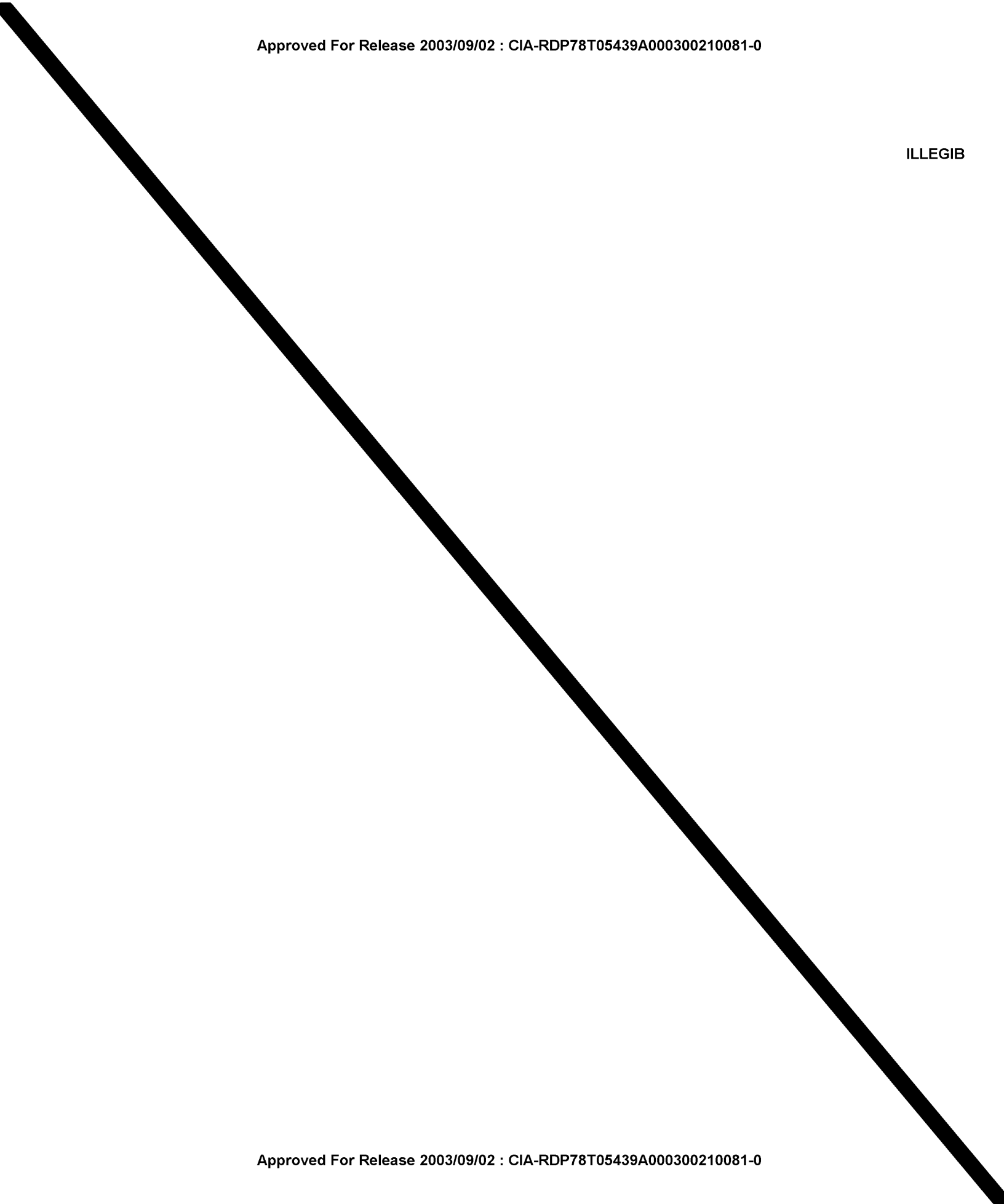
Approved For Release 2003/09/02 : CIA-RDP78T05439A000300210081-0

ILLEGIB



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POOR ORIGINAL

TOP SECRET [redacted] U

M/EB 113/64
5 March 1964
Copy 1

MEMORANDUM FOR: Chief, Defensive Systems Division, OSI

ATTENTION: [redacted] 25X1A

THROUGH: Chief, Requirements Branch, Reconnaissance Group, OGS

FROM: Chief, CIA/PID (NPIC)

SUBJECT: Analysis of Tyura Tam Missile Test Range Terminal Range Outstations, C51 Group, Kamchatka Peninsula

REFERENCES: (a) Requirement O-SL-4-81,000
(b) CIA/PID Project C 168-64

DECLASSIFICATION REVIEW BY NIMA / DoD

1. In response to your requirement dated 20 January 1964 an analysis of the Tyura Tam Missile Test Range Terminal Range Instrumentation Facilities (C51 Group) was performed to determine the exact location of the sites, search the area for additional sites or facilities, and provide line drawings of each of the outstations.

2. The geographic coordinates of the sites were derived by matching photo images using AMS Series M55PM-1, Sheet N)57-9 and AMS Series M55PM-1504, Sheet N[illegible]6-7. These coordinates do not necessarily agree with those listed in S/C/[illegible]M/R10-62. A search of the clear-free areas was performed to determine the existence of any unknown or unidentified facilities. No facility could be identified in the vicinity of 57-39N 160-47E. These coordinates were thought to be the location of Site C51-E. The clear area on Mission [redacted] extends east and southeast of a line connecting points from 56-15N 159-35E to 58-00N 160-55E. 25X1D

All dimensions were accomplished by the photo interpreter using scale factors provided by CIA/TID (NPIC). Mission [redacted] was used to measure most of the buildings and structures. The scale factors of this photography varied from 1:411,000 to 1:362,400. Therefore, most dimensions should be considered approximate. 25X1D

The following is a discussion of the six confirmed communication/outstation sites and one additional site:

Site C51 A

(a) 56-19N 160-51E
(b) For a detailed analysis of this site see [illegible] 413/64 dated [redacted] 25X1D

TOP SECRET [redacted]

Group 1
Excluded from automatic downgrading and declassification

S-11580

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TOP SECRET [redacted]

Subject: Analysis of Tyura Tam Missile Test Range
Terminal Range Outstations, C51 Group

[redacted] M/EB 113/64

Site C51 B (Figure 1)

(a) 57-58N 162-00E
(b) Also see PIC/JR-2/59, Figure 10
(c) Also see M/EB 392/63 dated [redacted]
(d) The "interferometer" present on [redacted] on Mission [redacted] was not observed on [redacted] It may be obscured due to the deep snow.
(e) One lattice tower near operations area removed since [redacted]
(f) The following tabulation of structures is keyed to Figure 1:

25X1D 25X1D 25X1D

No.	Item	Size (feet)	No.	Item	Size (feet)
1	Building	400 by 115	15	Building	100 by 40
2	Dome	110 diameter	16	Building	100 by 75
3	Building	185 by 70	17	Building	130 by 110
4	Building	145 by 40	18	Building	110 by 75
5	Building	145 by 40	19	Step-roof Bldg	225 by 50
6	Building	145 by 40	20	Buildings (3)	80 by 40
7	Building	185 by ---	21	Buildings (9)	115 by 40
8	Building	105 by 75	22	Building (numerous)	45 by 35
9	Building	100 by 50			
10	Building	50 by 35	23	Mounded tanks (4)	90 by 110 diameter overall
11	Buildings (3)	60 by 35	24	Building	110 by 60
12	Building	130 by 70	25	Building (2)	145 by 40
13	Buildings (2)	135 by 70	26	Building	140 by 50
14	Building	110 by 70	27	Buildings (3)	75 by 40

Site C51 C North Post (Figure 2)

(a) 57-17N 162-[illegible]
(b) Also see PIC/JR-2/59, Figure 6
(c) Maximum length of air strip - 1,300 feet, width - 250 feet.
(d) The following annotations are keyed to Figure 2:

No.	Item	Size (feet)	No.	Item	Size (feet)
1	Building	65 by 40	11	Building	90 by 40
2	Building	120 by 45	12	Building w/dome	40 by 25
3	Building	110 by 40	13	Building	50 by 35
4	Building	25 by 25	14	Unidentified object	55 by 25
	Building	55 by 40			
	Building	35 by 35	15	Building	55 by 55
7	Building	45 by 30	16	Building	35 by 35
8	Building	[redacted]	17	Small structures (10)	30 by 30
9	Building	35 by 35			
10	Building	30 by 30	18	Building	85 by 45
			19	Building	110 by 45
			20	Building	30 by 30

25X1D

TOP SECRET [redacted]

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Subject: Analysis of Tyura Tam Missile Test Range
Terminal Range Orientations, C51 Group

[redacted] M/ES 113/60

Site C51 C - South Part (Figure 3)

(a) 57-C9N 162-47E
(b) See PIC/JR-2/59, Figure 7
(c) No evidence of communications facilities could be identified at this site. The scale of the photography may preclude such identification.
(d) The following annotations are keyed to Figure 3:

No.	Item	Size (feet)	No.	Item	Size (feet)
1	Building	110 by 55	8	Unidentified object	25 by ---
2	Building	75 by 40	9	Building	55 by 25
3	Unidentified object	---	10	Building	105 by 35
4	Building	20 by 20	11	Building	35 by 25
5	Building	50 by 30	12	Building	55 by 30
6	Unidentified object	35 by ---	13	Building	30 by 15
7	Building	40 by 35	14	Building	35 by 20

Site C51 D - (Figure 4)

(a) 56-57N 161-15E
(b) See PIC/JR-2/59, Figure 13 25X1D
(c) The domes of the "Interferometer" seen on Mission [redacted] could not be identified. The domes may be obscured due to the deep snow.
(d) The buildings present in the nearby wooded area could not be be identified due to tree shadow.
(e) No communications facilities could be identified at this facility. Photo scale may preclude identification.
(f) The following annotations are keyed to Figure 4:

No.	Item	Size (feet)	No.	Item	Size (feet)
1	Building	45 by 40	17	Building	20 by 20
2	Building	45 by 40	18	Building	40 by 35
3	Building	45 by 40	19	Walled building	40 by 45
4	Building	50 by 30	20	L-shaped building	100 by 80 overall
5	Building	25 by 25	21	Building	40 by 40
6	Building	120 by 45	22	Building	160 by 50
7	Building	40 by 30	23	Walled building	140 by 45
8	Building	120 by 45	24	Building	40 by 30
9	Building	100 by 45	25	Building	70 by 30
10	Building	60 by 50	26	Building (1)	30 by 30
11	Building	---	27	Building	70 by 30
12	Building	45 by 40	28	Possible earth mounded structure	

25X

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Annotations keyed to Figure 3: (Continued)

No.	Item	Size (feet)	No.	Item	Size (feet)
13	Building	80 by 35	29	Structure impossible to measure due to long tree shadows	
14	Building	---			
15	Building	---	30	Area where "interferometer" was identified on Mission [redacted]	
16	Building	40 by 30			
			31	Snow covered landing strip	

25X1

Site C51 E

(a) No man-made features identified in the area of 57-39N 160-47E as predicted by 3/0/RUGUM/R 10-62.
(b) See Unidentified Site, Figure 7.

Site C51 F (Figure 5)

(a) 57-37N 162-06E
(b) See PIC/JR-2/59, Figure 11
(c) Landing strip measures 1,300 by 250 feet approximately.
(d) The following annotations are keyed to Figure 5:

No.	Item	Size (feet)	No.	Item	Size (feet)
1	Building	40 by 30	16	Building	25 by 25
2	Building	40 by 30	17	Unidentified building or structure	30 by ---
3	Building	40 by 30			
4	Building	40 by 30	18	Building (3)	35 by 35
5	Building w/mast or tower	55 by 40	19	Building	80 by 35
			20	Building	30 by 30
6	Building	40 by 30	21	Hanger	90 by 55
7	Building (4)	75 by 45	22	Step-roof building	90 by 35
8	Building	50 by 20	23	Building	40 by 20
9	Building	110 by 25	24	Building	55 by 30
10	Building	25 by 25	25	Building	30 by 20
11	Building	35 by 30	26	Unidentified	---
12	Building	30 by 20			
13	Building	20 by 20			
14	Building	75 by 35			
15	Building	20 by 20			

Site C51 G (Figure 6)

(a) 57-05N 161-24E.
(b) See PIC/JR-2/59, Figure 12

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Site C51 G (Figure 6) (continued)

(c) The following annotations are keyed to Figure 6:

No.	Item	Size (feet)	No.	Item	Size (feet)
1	Building	55 by 25	12	Building	50 by 25
2	Building	75 by 30	13	Building	75 by 30
3	Building	75 by 30	14	Building	50 by 30
4	Building	45 by 20	15	Building	50 by 30
5	Landing strip	1,250 by 180	16	Building	50 by 30
6	Building	75 by 35	17	Building	65 by 35
7	Building	195 by 40	18	Building	65 by 35
8	Building	115 by 35	19	Building	25 by 25
9	Building	95 by 25	20	Building	65 by 35
10	Building	65 by 25	21	Building	45 by 35
11	Building	65 by 25			

Unidentified Site (Figure 7)

(a) 57-03N 160-00E
(b) This site is the only candidate for Site C51 E identified in cloud-free area of various [redacted] missions. 25X1
(c) It may be necessary to supply this site by means of helicopter since no landing strip or road entry is visible or practical during heavy snow cover, such as present on Mission [redacted] 25X1D
(d) The following annotations are keyed to Figure 7:

No.	Item	Size (feet)	No.	Item	Size (feet)
1	Mounded structure	190 by 60	19	Building	30 by 30
2	Probable lattice tower	30 by 30	20	Building	35 by 35
3	Building	75 by 30	21	Building	75 by 35
4	Building	75 by 30	22	Building	115 by 40
5	Building	95 by 35	23	Building	150 by 55
6	Building	---	24	Building	15 by 15
7	Building	105 by 70	25	Building	80 by 35
8	Building	45 by 30	26	Building	---
9	Building	75 by 35	27	Building	155 by 55
10	Building	35 by 30	28	Building	75 by 40
11	Building	40 by 25	29	Building	155 by 55
12	Building	40 by 25	30	Building	135 by 55
13	Building	85 by 45	31	Building	80 by 40
14	Building	75 by 40	32	Building	20 by 20
15	Building [redacted] 25X1D		33	Building	---
16	Building	80 by 45	34	Building	50 by 35
17	Building	115 by 40	35	Building	55 by 35
18	Building	25 by 25	36	Tower, possible microwave (1)	35 by 15

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TOP SECRET [redacted] 25

Subject: Analysis of Tyura Tam Missile Test Range [redacted] 25
Terminal Range Outstations, C51 Group

References:

25X1D

Photography

[redacted]

Maps:

a. ANB, Sheet N057-9, Series M638A-1, TOP SECRET [redacted] 25X
b. ANB, Sheet N058-7, Series M638-N504, TOP SECRET [redacted] 25X

25X1A 3. The photo analyst on this project is [redacted] who may be contacted on extension [redacted] should you have any further questions on this project.

4. This project is considered to be complete.

25X1A

[redacted]

Enclosures:
1 - Seven (7) line drawings
(CIA/PID/M63-P-211/64
thru P-217/64)

TOP SECRET [redacted] 25X

TOP SECRET [redacted]

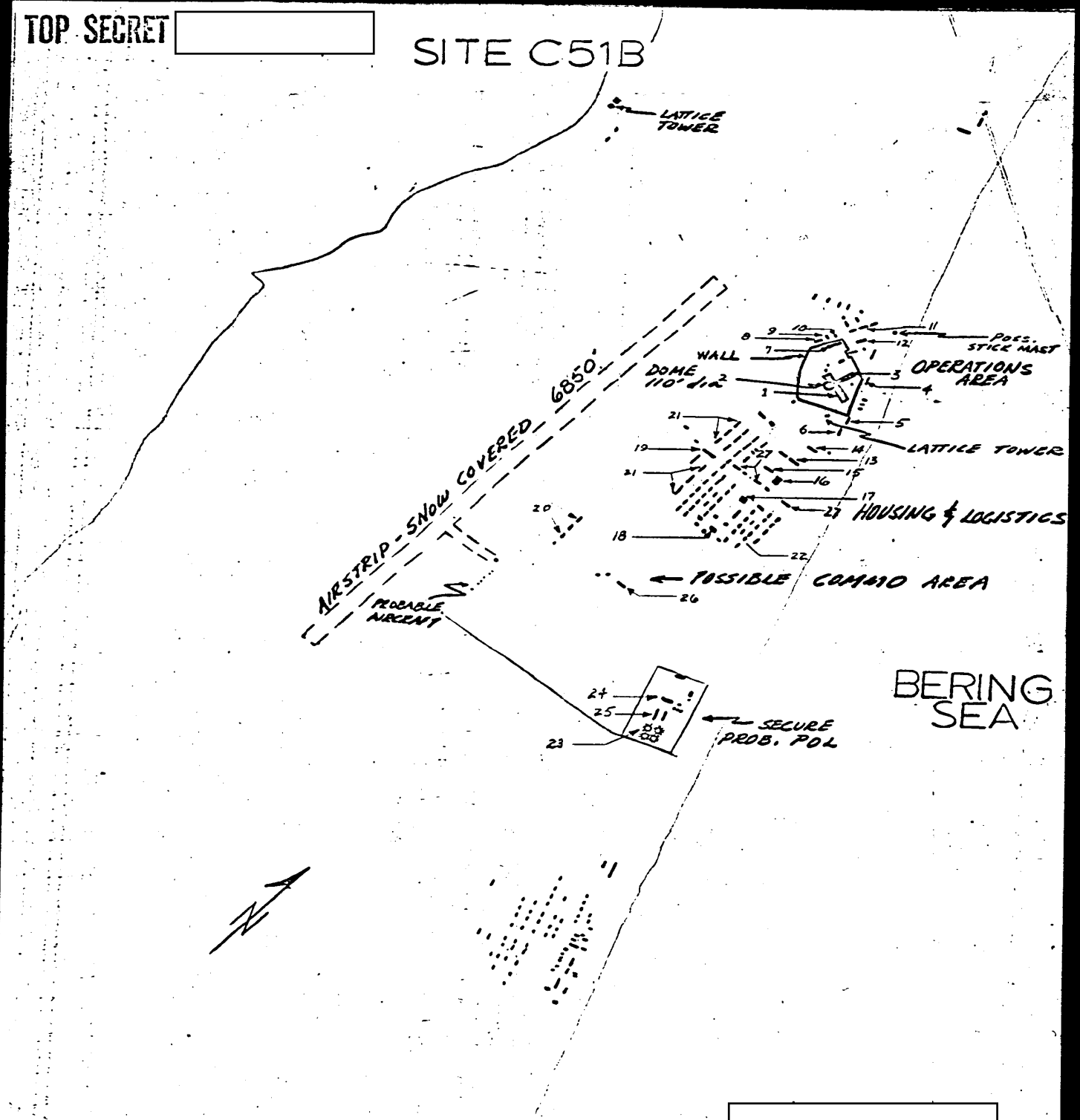


FIGURE 1

[redacted]

[redacted]

TOP SECRET

SITE C51C (NORTH)

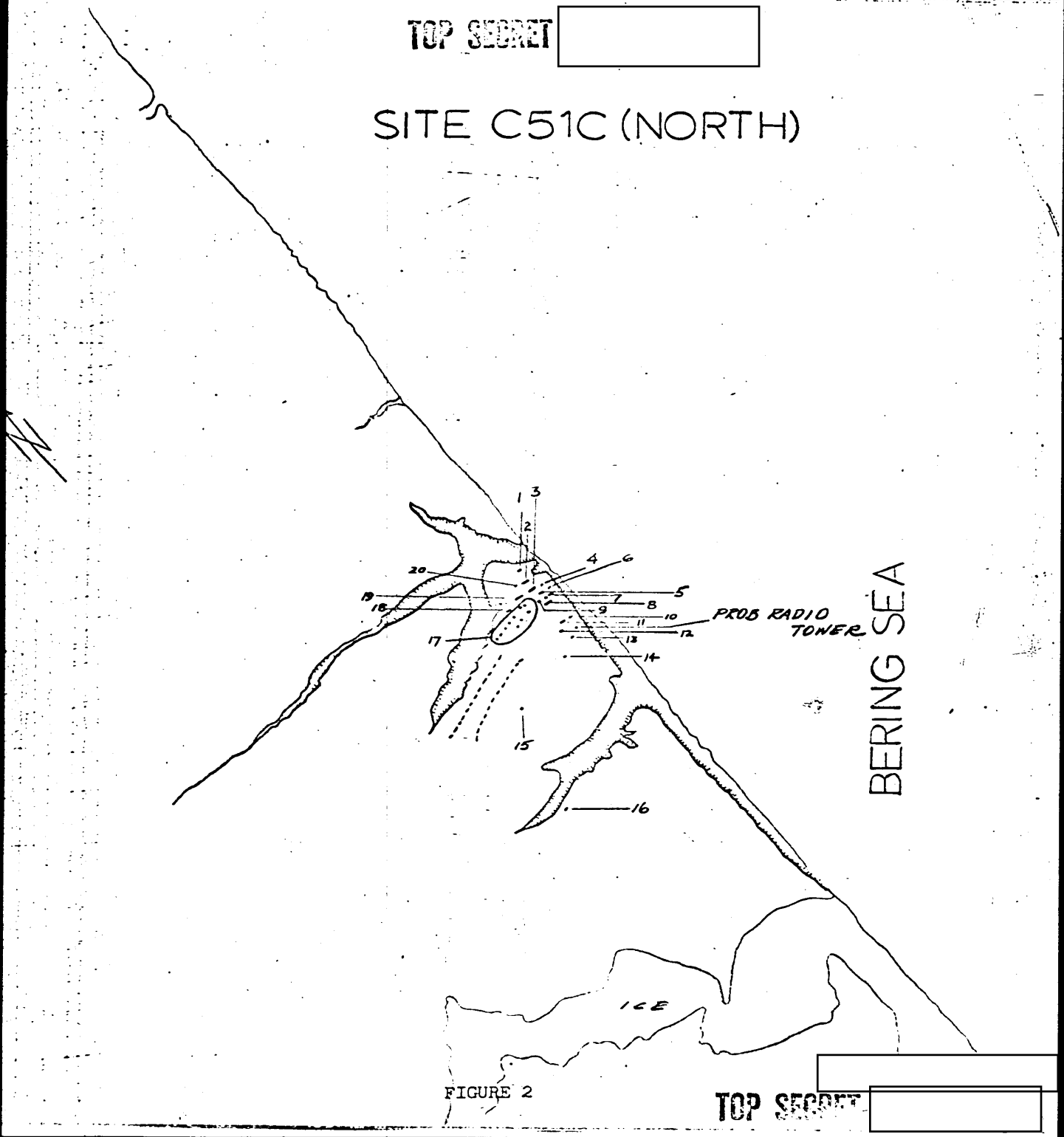
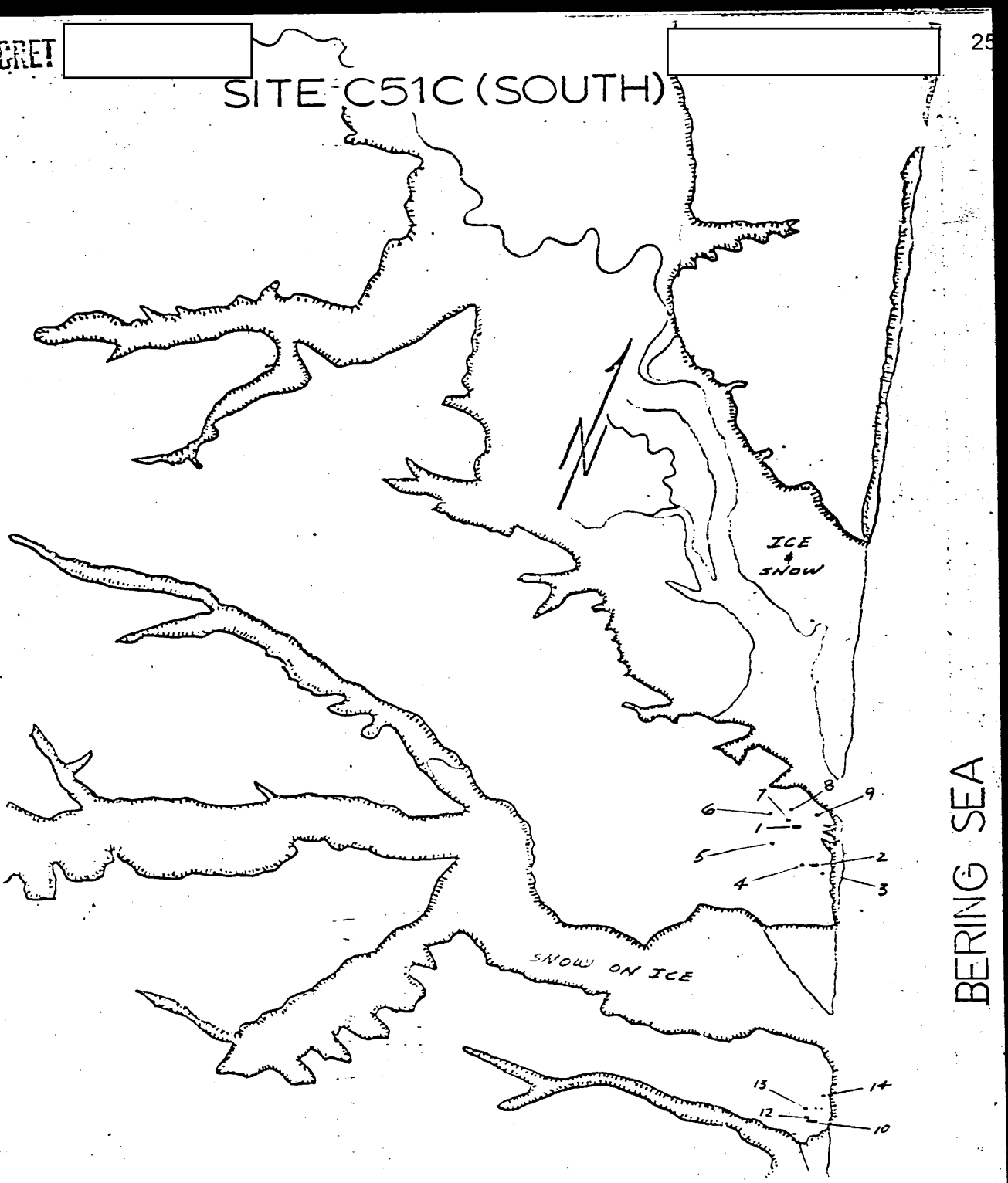


FIGURE 2

TOP SECRET


SITE C51C (SOUTH)
ICE & SNOW
SNOW ON ICE
BERING SEA
1
2
3
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5
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7
8
9
10
12
13
14

FIGURE 3

TOP SECRET

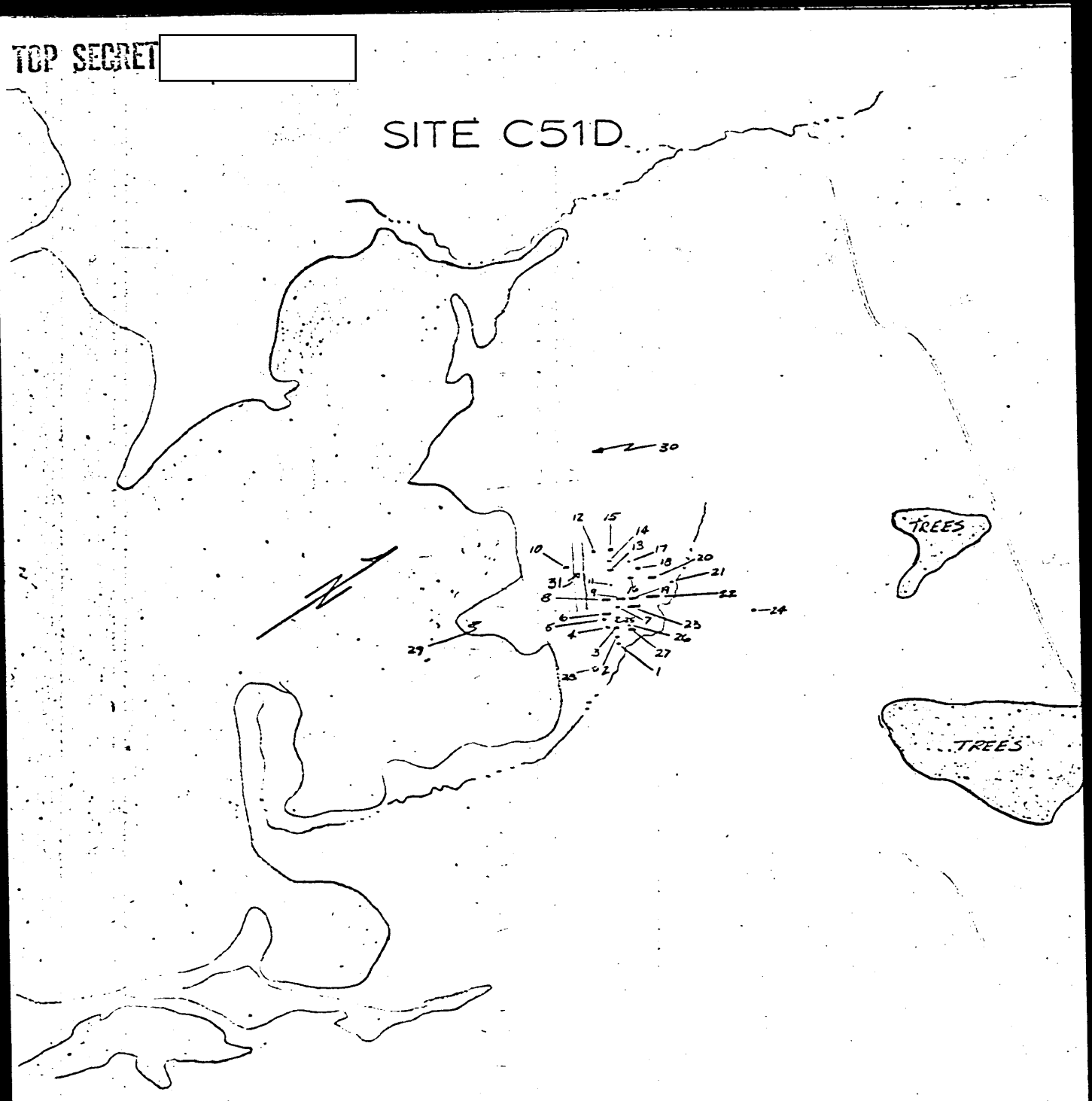

FIGURE 4

TOP SECRET

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SITE C51F

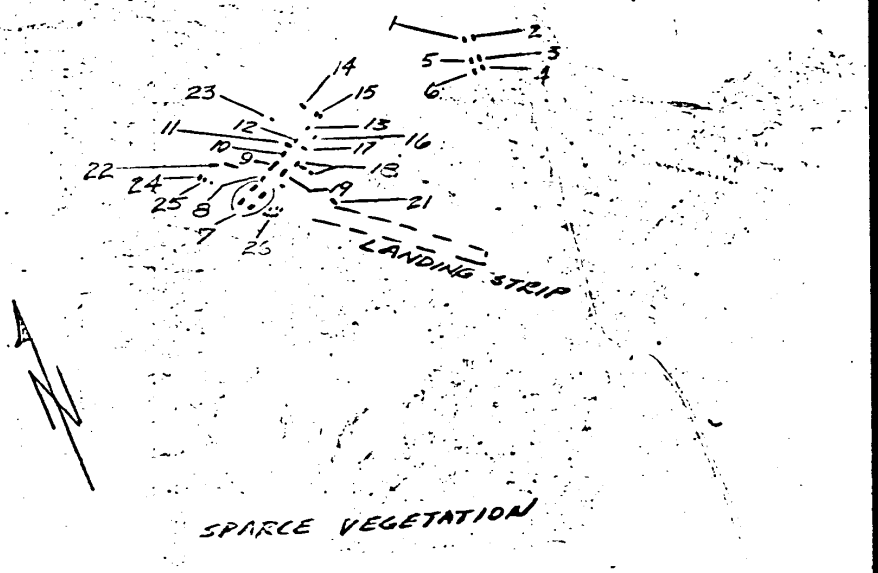

FIGURE 5

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SITE C51G

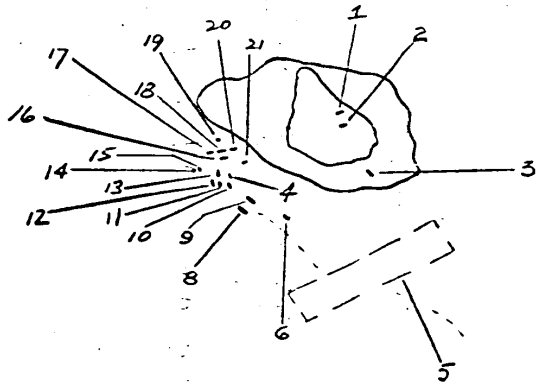

FIGURE 6

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25X1

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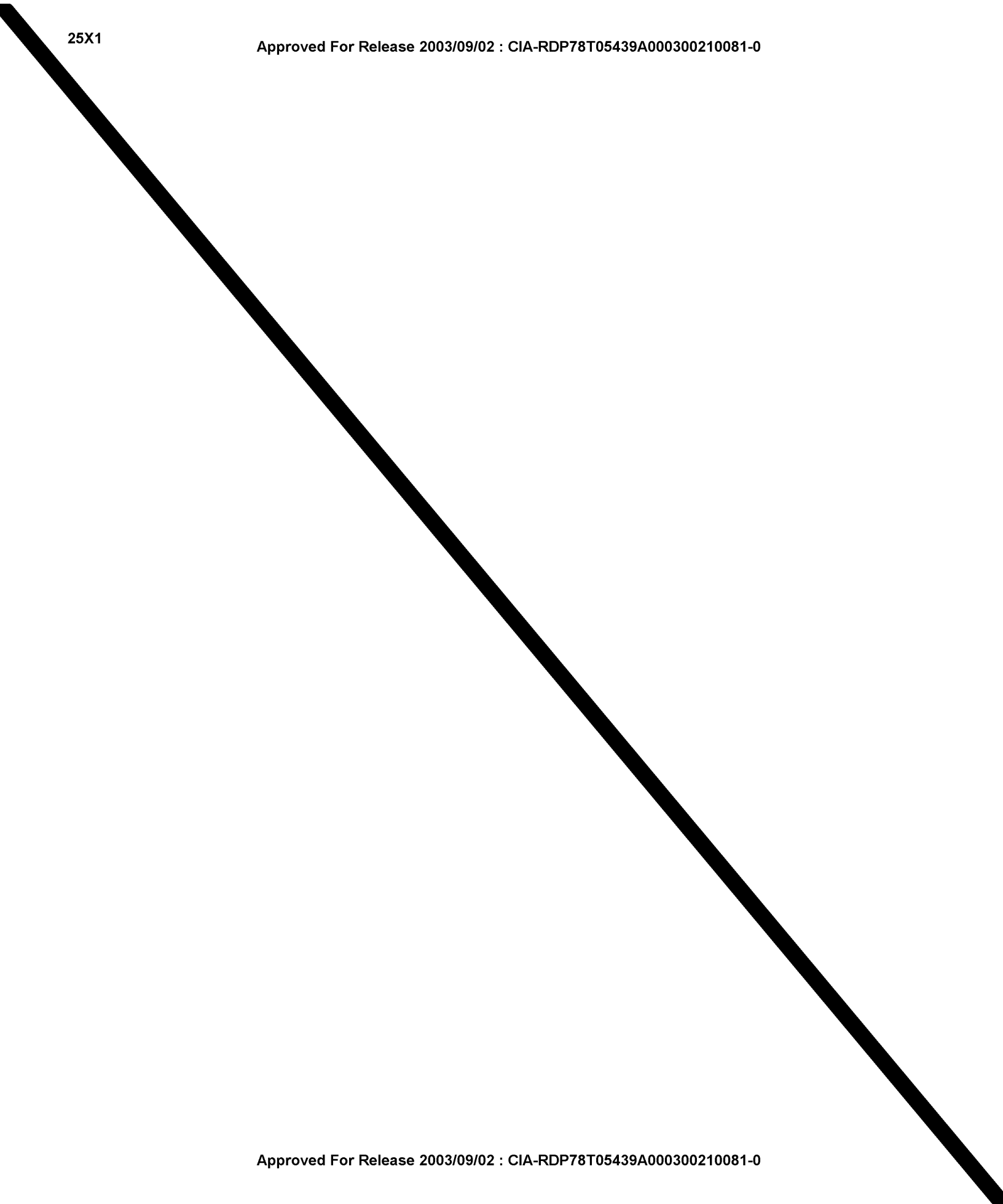

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